

CLAIMS

We claim: 1. A differential for a vehicle, comprising:

a differential housing defining a first opening;
a pinion shaft disposed within said first opening and
configured for rotation about an axis extending through said first
opening;
a pinion gear mounted on said pinion shaft;
an input yoke disposed about a portion of said pinion shaft;
a first bearing set disposed about said input yoke and having
a bearing cone in engagement with said input yoke; and,
a second bearing set axially spaced from said first bearing
set and having a bearing cone in engagement with said pinion shaft.

2. The differential of claim 1, further comprising a spacer
disposed between said input yoke and said bearing cone of said
second bearing set.

3. The differential of claim 2 wherein said bearing cone of
said first bearing set is disposed between opposed shoulders formed
in said input yoke and said spacer.

4. The differential of claim 2 wherein said bearing cone of
said second bearing set is retained between said spacer and said
pinion gear.

5. The differential of claim 4 wherein said bearing cone of
said second bearing set engages said spacer and said pinion gear.

6. The differential of claim 1 wherein said input yoke
includes a plurality of splines configured for engagement with a
corresponding plurality of splines on said pinion shaft, said
plurality of splines on said input yoke disposed radially inwardly
of said first bearing set.

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7. The differential of claim 1, further comprising a carrier disposed within said opening, radially outwardly of said input yoke.

8. The differential of claim 7 wherein said first bearing set is disposed between said carrier and said input yoke.